



799531
SEQUENCE LISTING

<110> The Government of the United States of America as
represented by the Secretary of the Department of Health and
Human Services, Centers for Disease Control and Prevention
Kalish, Marcia L
Ndongmo, Clement B
Pau, Chou-Pong
Switzer, William M.
Folks, Thomas M.

<120> Multiple Antigenic Peptide Assay for Detection of HIV or SIV Type
Retroviruses

<130> 6395-67856-06

<150> US 60/462,071
<151> 2003-04-11

<150> PCT/US2004/011022
<151> 2004-04-08

<160> 31

<170> PatentIn version 3.2

<210> 1
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVcpzGab virus

<400> 1

Trp Gly Cys Ser Gly Lys Ala Val Cys Tyr Thr
1 5 10

<210> 2
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVcpzCam virus

<400> 2

Trp Gly Cys Ser Gly Lys Ala Ile Cys Tyr Thr
1 5 10

<210> 3
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVcpzAnt virus

<400> 3

799531

Trp Gly Cys Ala Asp Lys Val Ile Cys His Thr
1 5 10

<210> 4
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVsm virus

<400> 4

Trp Gly Cys Ala Phe Arg Gln Val Cys His Thr
1 5 10

<210> 5
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVagm-1 virus

<400> 5

Trp Gly Cys Ala Trp Lys Gln Val Cys His Thr
1 5 10

<210> 6
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVagm-2 virus

<400> 6

Trp Gly Cys Ala Phe Lys Gln Val Cys His Thr
1 5 10

<210> 7
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVsun/lhoest virus

<400> 7

Trp Gly Cys Gln Trp Lys Gln Val Cys His Thr
1 5 10

<210> 8
<211> 11

799531

<212> PRT
<213> Artificial Sequence

<220>
<223> SIVcol virus

<400> 8

Ile Gly Cys Ala Asn Met Gln Ile Cys Arg Thr
1 5 10

<210> 9
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVrcm virus

<400> 9

Phe Gly Cys Ala Trp Arg Gln Val Cys His Thr
1 5 10

<210> 10
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVmnd14 virus

<400> 10

Trp Gly Cys Ser Phe Ser Gln Val Cys His Thr
1 5 10

<210> 11
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVmndGB1 virus

<400> 11

Trp Gly Cys Ser Trp Ala Gln Val Cys His Thr
1 5 10

<210> 12
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVsyk virus

<400> 12

799531

Trp Gly Cys Ala Phe Lys Gln Ile Cys His Thr
1 5 10

<210> 13
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVdeb virus

<400> 13

Trp Gly Cys Ala Phe Lys Gln Ile Cys His Thr
1 5 10

<210> 14
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVcpzGab virus

<400> 14

Arg Gly Glu Val Gln Ile Gly Pro Gly Met Thr Phe Tyr Asn Ile
1 5 10 15

<210> 15
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVsm virus

<400> 15

Val Leu Pro Val Thr Ile Met Ser Gly Leu Val Phe His Ser Gln
1 5 10 15

<210> 16
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVagm virus

<400> 16

Val Leu Pro Val Thr Ile Met Ala Gly Leu Val Phe His Ser Gln
1 5 10 15

<210> 17
<211> 15

799531

<212> PRT
<213> Artificial Sequence

<220>
<223> SIVsyk virus

<400> 17

Ile Lys Asn Ile Gln Leu Ala Ala Gly Tyr Phe Leu Pro Val Ile
1 5 10 15

<210> 18
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVlhoest virus

<400> 18

Glu Val Ser Thr Ile Ser Ser Thr Gly Leu Leu Phe Tyr Tyr Gly
1 5 10 15

<210> 19
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVco1 virus

<400> 19

His Arg Asn Leu Asn Thr Ala Asn Gly Ala Lys Phe Tyr Tyr Glu
1 5 10 15

<210> 20
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVrcm virus

<400> 20

Val Lys Gly Ile Ser Leu Ala Thr Gly Val Phe Ile Ser Leu Arg
1 5 10 15

<210> 21
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVmnd14 virus

<400> 21

799531

Ile Val Ser Val Pro Ser Ala Ser Gly Leu Ile Phe Tyr His Gly
1 5 10 15

<210> 22
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVdeb virus

<400> 22

Tyr Arg Ala Val His Met Ala Thr Gly Leu Ser Phe Tyr Thr Thr
1 5 10 15

<210> 23
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVcpzGab virus

<400> 23

Asn Asn Thr Arg Gly Glu Val Gln Ile Gly Pro Gly Met Thr Phe Tyr
1 5 10 15

Asn Ile Glu Asn Val Val Gly Asp Thr Arg Ser Ala
20 25

<210> 24
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVmnd virus

<400> 24

Asn Arg Ser Val Val Ser Thr Pro Ser Ala Thr Gly Leu Leu Phe Tyr
1 5 10 15

His Gly Leu Glu Pro Gly Lys Asn Leu Lys Lys Gly
20 25

<210> 25
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVagm virus

799531

<400> 25

Asn Lys Thr Val Leu Pro Val Thr Ile Met Ala Gly Leu Val Phe His
1 5 10 15

Ser Gln Lys Tyr Asn Thr Arg Leu Arg Arg Gln Ala
20 25

<210> 26

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> SIVsm virus

<400> 26

Asn Lys Thr Val Leu Pro Val Thr Ile Met Ser Gly Leu Val Phe His
1 5 10 15

Ser Gln Pro Ile Asn Glu Arg Pro Lys Gln Ala
20 25

<210> 27

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> SIVcpzGab virus

<400> 27

Leu Ala Val Glu Arg Tyr Leu Gln Asp Gln Gln Ile Leu Gly Leu Trp
1 5 10 15

Gly Cys Ser Gly Lys Ala Val Cys
20

<210> 28

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> SIVmnd virus

<400> 28

Thr Ser Leu Glu Asn Tyr Ile Lys Asp Gln Ala Leu Leu Ser Gln Trp
1 5 10 15

Gly Cys Ser Trp Ala Gln Val Cys
20

799531

<210> 29
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVagm virus

<400> 29

Thr Ala Leu Glu Lys Tyr Leu Glu Asp Gln Ala Arg Leu Asn Ile Trp
1 5 10 15

Gly Cys Ala Phe Arg Gln Val Cys
20

<210> 30
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> SIVsm virus

<400> 30

Thr Ala Ile Glu Lys Tyr Leu Lys Asp Gln Ala Lys Leu Asn Ser Trp
1 5 10 15

Gly Cys Ala Phe Arg Gln Val Cys
20

<210> 31
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa can be Trp, Ile, or Phe

<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa can be Ser, Ala, or Gln

<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa can be Gly, Asp, Phe, Trp, or Asn

<220>
<221> misc_feature
<222> (6)..(6)
<223> Xaa can be Lys, Arg, Met, Ser, or Ala

<220>

799531

<221> misc_feature
<222> (7)..(7)
<223> Xaa can be Ala, Val, or Gln

<220>
<221> misc_feature
<222> (8)..(8)
<223> Xaa can be Val or Ile

<220>
<221> misc_feature
<222> (10)..(10)
<223> Xaa can be Tyr, His, or Arg

<400> 31

Xaa Gly Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Thr
1 5 10